



Ministry of
Northern Development
and Mines

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO

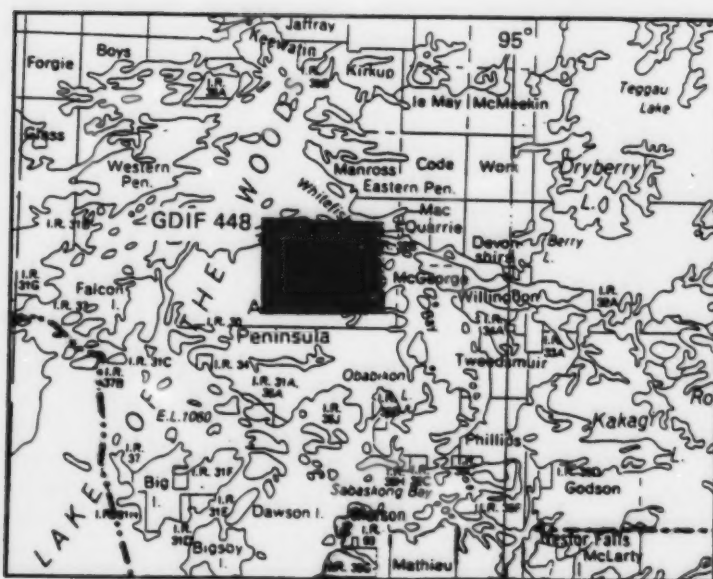
GDIF 448

AULNEAU PENINSULA AREA

(52 E/8 NW)

DISTRICT OF KENORA

Compiled by the Staff of
the Resident Geologist's Office
Kenora



LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles



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Map Scale 1: 31 680 or 1 inch to ½ mile	

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL

SI Unit Multiplied by Gives

CONVERSION FROM IMPERIAL TO SI

Imperial Unit Multiplied by Gives

LENGTH

1 mm	0.039 37	inches	1 inch	25.4	mm
1 cm	0.393 70	inches	1 inch	2.54	cm
1 m	3.280 84	feet	1 foot	0.304 8	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	1.609 344	km

AREA

1 cm ²	0.155 0	square inches	1 square inch	6.451 6	cm ²
1 m ²	10.763 9	square feet	1 square foot	0.092 903 04	m ²
1 km ²	0.386 10	square miles	1 square mile	2.589 988	km ²
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha

VOLUME

1 cm ³	0.061 02	cubic inches	1 cubic inch	16.387 064	cm ³
1 m ³	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m ³
1 m ³	1.308 0	cubic yards	1 cubic yard	0.764 555	m ³

CAPACITY

1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	4.546 090	L

MASS

1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	31.103 476 8	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	0.453 592 37	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	907.184 74	kg
1 t	1.102 311	tons (short)	1 ton (short)	0.907 184 74	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	1016.046 908 8	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	1.016 046 908 8	t

CONCENTRATION

1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE—Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

SOURCES OF DATA		Date	Initial
1	Resident Geologist's Office Files	YES	GV OCT 87
2	Assessment Files Research Office, Toronto		
3	ODM General Index; 9 volumes	YES	GV OCT 87
4	Catalogue of Airborne Geophysical Surveys (ODM)		
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	YES	GV OCT 87
6	ODM Industrial Mineral Reports	NO	GV OCT 87
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	GV OCT 87
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	NO	GV OCT 87
9	Newspaper Clippings File	YES	GV OCT 87
10	GSC Index to Publications	YES	GV OCT 87
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	GV OCT 87
12	OGS Index Maps	YES	GV OCT 87
13	Source Mineral Deposit Records (O.G.S./MDIR's (O.G.S.)/NMI's (E.M.R.))	YES	GV OCT 87
14	Author - Subject Articles File		
15	Miscellaneous Papers: ODM & OGS	YES	GV OCT 87
16	ODM Geological Circulars: OGS Study Series	NO	GV OCT 87
17	ODM Preliminary Reports: ODM Bulletins	YES	GV OCT 87
18	ODM - OGS Open File Reports & Maps	YES	GV OCT 87
19	OGS Northern Ontario Engineering Geology Terrain Studies	YES	GV OCT 87
20	OGS Aggregate Resources Inventory Papers	NO	GV OCT 87
21	OGS Mineral Potential Maps	YES	GV OCT 87
22	Theses on File, Kenora	YES	GV OCT 87
23	Aerial Photos on File, Kenora	YES	GV OCT 87
24	Topographic Maps on File, Kenora		
	OBM Maps (1:20,000)	YES	GV OCT 87
	NTS Maps (1:50,000)	YES	GV OCT 87



METALS AND MINERALS REFERENCES LIST

Δ anh.	...Anhydrite	Δ fu.	...Fuchsite	Δ Ni.	...Nickel	Δ st.	...Stone
Δ ank.	...Ankerite	Δ gn.	...Galena	Δ Nb.	...Niobium	Δ talc.	...Talc
Δ anna.	...Annabergite	Δ gt.	...Garnet	Δ Pd.	...Palladium	Δ Te.	...Tellurium
Δ ap.	...Apatite	Δ gos.	...Goethite	Δ peat.	...Peat	Δ td.	...Tetradrite
Δ arg.	...Argentite	Δ Au.	...Gold	Δ pent.	...Pentlandite	Δ th.	...Thorite
Δ As.	...Arsenic	Δ gf.	...Graphite	Δ Pt.	...Platinum	Δ Th.	...Thorium
Δ asp.	...Arsenopyrite	Δ gl.	...Gravel	Δ py.	...Pyrite	Δ thuc.	...Thucholite
Δ asb.	...Asbestos	Δ gyp.	...Gypsum	Δ pyl.	...Pyrochlore	Δ ti.	...Titanite
Δ ba.	...Barite	Δ hem.	...Hematite	Δ pyrl.	...Pyrolusite	Δ Ti.	...Titanium
Δ be.	...Beryl	Δ il.	...Ilmenite	Δ po.	...Pyrrhotite	Δ tour.	...Tourmaline
Δ Bi.	...Bismuth	Δ Fe.	...Iron	Δ q.	...Quartz	Δ trap.	...Trap rock
Δ bn.	...Bornite	Δ IF.	...Iron Formation	Δ qcv.	...Quartz carbonate vein	Δ W.	...Tungsten
Δ bran.	...Brannerite	Δ jas.	...Jasper	Δ ra.	...Radioactive minerals	Δ uran.	...Uraninite
Δ bruc.	...Brucite	Δ keol.	...Kaolinite (kaolin)	Δ RE.	...Rare Earths	Δ U.	...Uranium
Δ Cd.	...Cadmium	Δ ky.	...Kyanite	Δ sd.	...Sand	Δ verm.	...Vermiculite
Δ calc.	...Calcite	Δ Pb.	...Lead	Δ sgl.	...Sand and gravel	Δ Y.	...Yttrium
Δ carb.	...Carbonate	Δ lim.	...Limonite	Δ ss.	...Sandstone	Δ Zn.	...Zinc
Δ cel.	...Celestite	Δ Li.	...Lithium	Δ scap.	...Scapolite	Δ zr.	...Zircon
Δ cc.	...Chalcocite	Δ mgst.	...Magnesite	Δ shee.	...Scheelite	Δ s.	...sulfide
Δ cp.	...Chalcopyrite	Δ mag.	...Magnetite	Δ serp.	...Serpentine	Δ qv.	...quartz vein
Δ ch.	...Chert	Δ mc.	...Malachite	Δ sh.	...Shale		
Δ clay.	...Clay	Δ Mn.	...Manganese	Δ sid.	...Siderite		
Δ Co.	...Cobalt	Δ mb.	...Marble	Δ si.	...Silica		
Δ cob.	...Cobaltite	Δ mar.	...Marcasite	Δ Ag.	...Silver		
Δ cb.	...Columbite	Δ ma.	...Marl	Δ sl.	...Slate		
Δ Cu.	...Copper	Δ mi.	...Mica	Δ sm.	...Smaltite		
Δ cor.	...Corundum	Δ ml.	...Millerite	Δ tod.	...Sodalite		
Δ dol.	...Dolomite	Δ mo.	...Molybdenite	Δ spec.	...Specularite		
Δ ep.	...Epidote	Δ Mo.	...Molybdenum	Δ sp.	...Sphalerite		
Δ ery.	...Erythrite	Δ mon.	...Monazite	Δ spd.	...Spodumene		
Δ fel.	...Feldspar	Δ ne.	...Nephelite (nepheline)	Δ staur.	...Staurolite		
Δ fl.	...Fluorite (fluor spar)	Δ nc.	...Nicolite	Δ stib.	...Stibnite		

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.
or mentioned within either Drillhole Summary or Mineral Occurrences.

MINERAL OCCURRENCES			Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
Map Ref. Letter	Name(s)	Mineralization			
A	Yellowgirl Bay Occurrence (P 232 mining location) (Homestake Occurrence? ¹)	Au,py,asp	MDIR K0484	MDC 16, p.44 (Occ.#327)	OGS Open File map 73 OGS MP 137, p.29 (fig.004.1), 36, 37 Assessment files, Kenora 52 E/08 NW; A-1, C-1, C-2, C-3 OGS AR Vol.2, p.232 ¹ OGS AR Vol.5, p.174 ¹
B	Unnamed (D 129 mining location)	qv	MDIR K0351 ¹ NMI Au 6 ¹ (52 E/09)		OGS map 52C OGS Open File map 73
C	Unnamed (D 129 mining location)	qv?			OGS map 52C
D	Unnamed	s			OGS Open File map 73
	¹ See Notes and Addenda "Note A"				

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	
1	Hudson Bay Expl. & Dev. Co. Ltd. 52 E/09 SW; E-4												75					
2	Hudson Bay Expl. & Dev. Co. Ltd. 52 E/08 NW; B-2				76													
3	Teck Expl. Ltd. 52 E/08 NW; C-1				81	81												
4	Teck Expl. Ltd. 52 E/08 NW; C-2																	
5	Teck Expl. Ltd. 52 E/08 NW; C -3	81				81							81 ¹ 81					
6	Yellowgirl property (Manowan Prospecting Syndicate) 52 E/08 NW; A-1				50?	50?		44										
		¹ No anomalies identified - no information plotted on Data map.																

DRILLHOLE SUMMARY		Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (ft/m)	Total Length of Hole (ft/m)	Mineralization Noted in Log	Assay Data Included for
Map Drilling Location Number										
1		Hudson Bay Expl. & Dev. Ltd.	D-6	July/76	180°	-45°	13.0 ft	130.0 ft	po,py	sampled, but no assays available
2		Hudson Bay Expl. & Dev. Ltd.	D-7	July/76	180°	-45°	12.0 ft	115.0 ft	po,py	sampled, but no assays available
3		Teck Expl. Ltd.	LW6-1	Mar/81	020°	-50°	35.4 m	63.4 m	py,asp,gf	Au,Ag,Cu,Zn
4		Manowan Prospecting Synd.	1 ¹	1950?	NNE	?	?	?	?	Au
4		Manowan Prospecting Synd.	2 ¹	1950?	NNW	?	?	?	?	Au
4		Manowan Prospecting Synd.	9	1950?	N	-45°	15.0 ft	135.0 ft	py,asp?	Au
4		Manowan Prospecting Synd.	10	1950?	N	-45°	5.0 ft	100.0 ft	py	Au
4		Manowan Prospecting Synd.	11	1950?	N	-45°	15.0 ft	95.0 ft	py	Au
5		Manowan Prospecting Synd.	3 ¹	1950?	NNW	?	?	?	?	Au
5		Manowan Prospecting Synd.	4 ¹	1950?	NNE	?	?	?	?	Au
6		Manowan Prospecting Synd.	5 ¹	1950?	NNW	?	?	?	?	Au
6		Manowan Prospecting Synd.	6	1950?	N20°W	-45°	4.0 ft	200.0 ft	py	Au
7		Manowan Prospecting Synd.	7	1950?	N	-45°	7.0 ft	200.0 ft	py	Au
7		Manowan Prospecting Synd.	8	1950?	N	-45°	9.0 ft	154.0 ft	py	Au
		¹ No drill log available.								

AIRBORNE GEOPHYSICAL SURVEY DATA					
No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
4	By: Unknown For: Teck Expl. Ltd. 52 E/08 NW; C-2 Also note 1972 airborne (EM?) geophysical survey for Hudson Bay Expl. & Dev. Ltd. referenced in report (52 E/09 SW; E-4) - not submitted for assessment.	Electromagnetic	?	N-S?	ca. 200 m?

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		
	No data on file as of October, 1987			

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

No data on file for this area as of October, 1987.

Age dating is available for adjacent areas. Refer to OGS OFR 5592 accompanied by OGS map P.2843.

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

Kenora

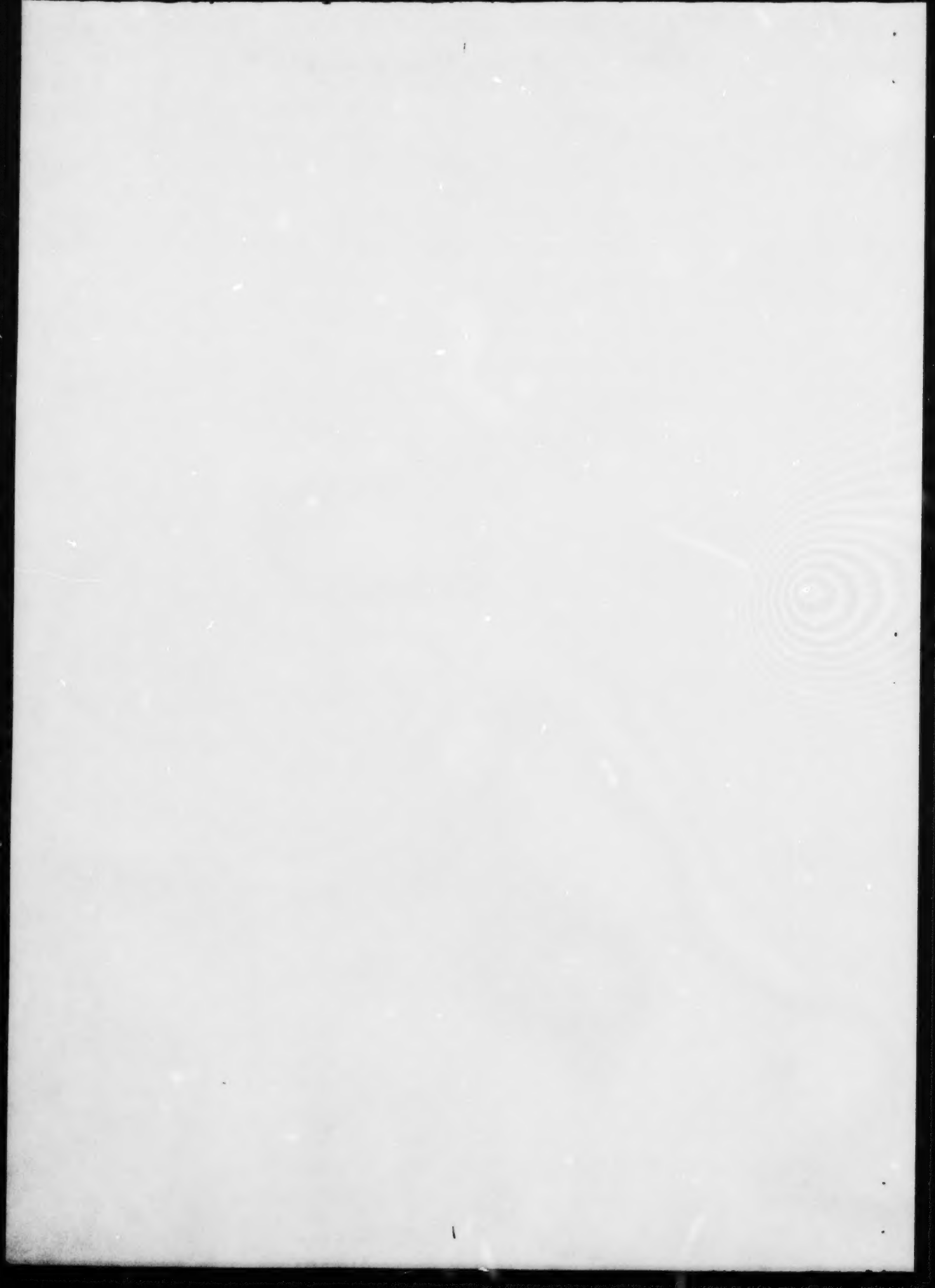
Algoma Homestake Mining Company¹

¹ See Notes and Addenda "Note A"

ODM GENERAL INDEX SEARCH

Words searched: Aulneau Peninsula, Barras Lake, Beacon Island, Blueberry Inlet, Chisholm Island, Cliff Island, Cross Inlet, Grand Presqu'ile, Homestake Mining Co. of Algoma Ltd.,¹ Hudson Bay Expl. & Dev. Co. Ltd., Knickerbocker Inlet, Manowan Prospecting Syndicate, P 232, Quartz Island, Smith Island, Sunset Channel, Teck Expl. Ltd., Wake Lake, Whitefish Bay, Yellowgirl Bay Occurrence

Index Volume	Listing:	Report Volume	Part	Page
1	Cliff Island, Lake of the Woods	7		119
	Cross Inlet, Lake of the Woods			
	Notes by, Willmatt	7		118
	Porphyritic schist, petrography	7		146
	Grand Presqu'ile, Lake of the Woods			
	Geology	21	1	181-183
	Map, geological	21	1	180
		22	1	215
	Muskeg, photo	21	1	185
	Notes by Coleman	7		115-120
	Rocks, granite	22	1	214, 216
	petrographical notes	7		145, 146, 155
	Homestake Co. of Algoma			
	Capital; shares disposed of	2		232
	Homestake Gold Mine, ¹ Yellowgirl Bay, Lake of the Woods			
	Acquired by Dominion Gold Mining and Red Co.	5		174
	Work at (1892)	2		232
	Knickerbocker Inlet, Lake of the Woods			
	Notes by Coleman	7		119
	Quartz Island, Lake of the Woods	7		119
	Smith Island, Lake of the Woods			
	Rocks, north of	20	1	75
	Whitefish Bay, Lake of the Woods	5		181
	Yellowgirl Bay, Lake of the Woods			
	prospecting	22	1	226
	Indian conjuring booths:			
	photo	6		80, 81
	notes	6		93
	Nomenclature	5		181
	¹ See Notes and Addenda "Note A"			



ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
3	Cliff Island, Lake of the Woods Quartz veins near Rocks	45 45	3 3	27 10
	Yellow Girl Point Mining Syndicate Ltd.	49	1	47
4	Chisholm Island, Lake of the Woods Rocks	52	4	4,5,8-10
	Cliff Island, Lake of the Woods Rocks	52	4	4,5,8-10
	Sunset Channel, Lake of the Woods Rocks	52	4	4-6,11
	Whitefish Bay, Lake of the Woods Geology of area, report by NHC Fraser	52	4	
	Yellow Girl Bay, Lake of the Woods Rocks	52	4	4-11
9	Homestake Occurrence, Kenora District ¹	MDC 16		21
	Yellowgirl Occurrence, Lake of the Woods	MDC 16		44
¹ See Notes and Addenda "Note A"				

Author	Date	SELECTED REFERENCES		Reference	Map Scales and/or Report Pages
		Title			
Ayres, L. D., Lumbers, S. B., Milne, V. G., Robeson, D. W. Beakhouse, G. P. Bell, R. Blackburn, C. E. Davies, J. C. Davies, J. C., Pryslak, A. P. Easton, R. M. Gordon, J. B. Lawson, A. C.	1971	REGIONAL COMPILATION MAPS Ontario Geological Map, West-Central Sheet		ODM map 2199	1" to 16 miles (1:1,013,760)
	1980	Geology, Winnipeg River-English River Area, Manitoba and Ontario, map and notes		GSC Open File 652	1:125,000
	1881	Geological Map of Lake of the Woods and Adjacent Country		GSC map No.161	1" to 4 miles (1:253,440)
	1981	Kenora-Fort Frances Sheet, Kenora and Rainy River Districts. Geological Compilation Series		OGS map 2443	1" to 4 miles (1:253,440)
	1965	Lake of the Woods Sheet, District of Kenora		ODM map P.281	1" to 2 miles (1:126,720)
	1967	Kenora-Fort Frances Sheet, Kenora and Rainy River Districts. Geological Compilation Series		ODM map 2115	1" to 4 miles (1:253,440)
	1986	Geochronology Compilation Map for Ontario, Sheet 4, West-Central Ontario, All Isotopic Systems		OGS map P.2843	1" to 16 miles (1:1,013,760)
	1977	Gold Deposits of Ontario, West-Central Sheet, Districts of Kenora (Patricia Portion), Thunder Bay, Algoma and Cochrane. Mineral Deposits Series.		OGS map P.1227	1" to 16 miles (1:1,013,760)
	1887	Geologic and Topographical Map of the Northern Part of the Lake of the Woods and Adjacent Country		GSC map No. 227	1" to 2 miles (1:126,720)

Geol. Surv. Can. No. 19

Author	Date	SELECTED REFERENCES		Reference	Map Scales and/or Report Pages
		Title			
Morrice, M. G., Wilson, H. D. B.	1980	REGIONAL COMPILATION MAPS		GSC Open File 695	1:250,000
	1985	Volcanic Stratigraphy of the Kenora-Dryden Area, Ontario, maps and notes		OGS 2472	1" to 25 miles (1:1,584,000)
	1986	Ontario Mineral Map		OGS map 2506	1:1,600,000
	1939	Geological Highway Map, Northern Ontario		GSC map No.266A	1" to 8 miles (1:506,880)
		Kenora Sheet, Ontario. Canada Department of Mines and Resources			
GEO-ANALYSIS LTD.	1981	GEOPHYSICAL MAPS		OF 82-12 (Image 3125, Map 1)	1:250,000
		The Identification of Structural Linears from Landsat Imagery in Northwestern Ontario. Energy, Mines and Resources Canada, Earth Physics Branch, Seismological Service of Canada			
ODM-GSC	1962	Sioux Narrows, Ontario, NTS Sheet 52 E/08, Geophysics Paper 1177, Aeromagnetic		ODM-GSC map 1177G	1" to 1 mile (1:63,360)
OGS-GSC	1977	Airborne Gama-Ray Spectrometry Survey, Kenora Sheet, Districts of Kenora and Rainy River, Geophysical Series		Preliminary Maps P.1355 - P.1389	1" to 4 miles (1:253,440)
GSC	1984	Airborne Gama-Ray Spectrometric Maps, Lake of the Woods, Manitoba-Ontario (Sheet 35552G)		GSC Open File 1067	1:1,000,000

OGS 1,000,000

Author	Date	SELECTED REFERENCES		Reference	Map Scales and/or Report Pages
		Title			
Hallett, D. R., Roed, M. A.	1980	SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING Northwest Angle Area, Districts of Kenora and Rainy River. Northern Ontario Engineering Geology Terrain Study. Accompanied by Map 5056		OGS NOEGTS 36	1:100,000
	1987	Surficial Geology of Northern Ontario		OGS map 2518	1:1,200,000
Sado, E. V., Carswell, B. F., Zoltai, S. C.	1965	Surficial Geology, Kenora-Rainy River. Ontario Department of Lands and Forests MINERAL POTENTIAL MAPS		map S 165	1" to 8 miles (1:506,880)
	1976	Mineral Potential Map of Ontario, West-Central Sheet. Mineral Deposits Series		ODM map P.1098	1" to 16 miles (1:1,013,760)
Robertson, J. A., Vos, M. A., Springer, J. S.	1978	Ontario Mineral Potential, Kenora Sheet. Mineral Deposits Series		OGS map P.1531	1:250,000
Springer, J. S., Robertson, J. A., Vos, M. A.	1982	Mineral Potential Map of Ontario, West-Central Sheet (Accompanied by one overlay)		OGS OFR 5326	1" to 16 miles (1:1,013,760)

SELECTED REFERENCES

SELECTED REFERENCES			Reference	Map Scales and/or Report Pages
Author	Date	Title		
Ayer, J. A., Buck, S., Macfie, R. I.	1987	GEOLOGICAL REPORTS AND MAPS		
		Precambrian Geology of the Chisholm Island Area, Lake of the Woods, District of Kenora	OGS OFM 73	1" to 1/4 mile (1:15,840)
	1987	Geology of the Chisholm Area, Lake of the Woods, District of Kenora; in Summary of Field Work and Other Activities, 1987	OGS MP 137	p.28-32
	1987	Structural and Metallogenic Studies, Lake of the Woods Area, District of Kenora; in Summary of Field Work and Other Activities, 1987	OGS MP 137	p.33-38
	1976	Gold Deposits of Kenora-Fort Frances Area, Districts of Kenora and Rainy River. Accompanied by Chart A	ODM MDC 16	1" to 4 miles (1:253,440) p.44,21
Bell, R.	1883	Appendix II on the Geology of the Lake of the Woods and Adjacent Country. Accompanied by GSC map No.161	GSC, Report of Progress 1880-82 Vol.7	1" to 4 miles (1:253,440)
Brisbin, W. C.	1973	Aulneau Batholith Project, Gravity Studies-Progress Report; in Centre for Precambrian Studies, University of Manitoba, Annual Report	Centre for Precam- brian Studies, 1973 Annual Report	p.54-59
Brisbin, W. C.	1974	Aulneau Batholith Project, Gravity Studies-Progress Report; in Centre for Precambrian Studies, University of Manitoba, Annual Report, Part 2-Research	Centre for Precam- brian Studies, 1974 Annual Report	p.185-190

SELECTED REFERENCES			Reference	Map Scales and/or Report Pages
Author	Date	Title		
Blackburn, C. E., Bond, W. D., Breaks, F. W., Davis, D. W., Edwards, G. R., Poulsen, K. H., Trowell, N. E., Wood, J.	1985	GEOLOGICAL REPORTS AND MAPS Evolution of Archean Volcanic-Sedimentary Sequences of the Western Wabigoon Subprovince and its Margins: A Review; in Evolution of Archean Supracrustal Sequences, GAC Special Paper 28, edited by Ayres, L. D., Thurston, P. C., Card, K. D., Weber, W.	GAC Special Paper 28	p. 89-116
Coleman, A. P.	1898	Fourth Report on the West Ontario Gold Region; in Ontario Bureau of Mines Annual Report for 1898	OBM AR Vol. 7, Part 2	p. 115-120, 145, 146, 155
Fraser, N. H. C.	1945	Geology of the Whitefish Bay Area, Lake of the Woods in Ontario Dept. of Mines Annual Report for 1943. Accompanied by map 52C, "Whitefish Bay, Lake of the Woods, District of Kenora, Ontario"	ODM AR Vol. 52, Part 4	17 pages
Goodwin, A. M.	1965	Preliminary Report of Volcanism and Mineralization in the Lake of the Woods-Manitou Lake-Wabigoon Region of Northwestern Ontario. Accompanied by map "Structural Geology of the Lake of the Woods-Manitou Lake-Wabigoon Region, Districts of Kenora and Rainy River"	ODM PR 1965-2	1" to 4 miles (1:253,440) 63 pages
Goodwin, A. M.	1970	Archean Volcanic Studies in the Lake of the Woods-Manitou Lake-Wabigoon Region of Northwestern Ontario	ODM OFR 5042	47 pages

Author	Date	SELECTED REFERENCES		Reference	Map Scales and/or Report Pages
		Title			
Hall, D. H., Green, A. G., Stephenson, O. G.	1975	GEOLOGICAL REPORTS AND MAPS		Centre for Precam- brian Studies, 1975 Annual Report	p.143-156
		Interpretations of the Aulneau Batholith Seismic Reflection Data; in Centre for Precambrian Studies, University of Manitoba, Annual Report, Part 2 - Research			
Lawson, A. C.	1885	Report on the Geology of the Lake of the Woods Region with Special Reference to the Keewatin (Huronian?) Belt of Archean Rocks; in Geological Survey of Canada Annual Report for 1884 and 1885.		GSC AR Vol.1, part CC	151 pages
Mackasey, W. O., Blackburn, C. E., Trowell, N. F.	1974	A Regional Approach to the Wabigoon-Quetico Belts and its Bearing on Exploration in Northwestern Ontario		ODM MP 58	29 pages
Neilson, J. N., Bray, R. C. E.	1981	Feasibility of Small Scale Gold Mining in Northwest- ern Ontario (parts of the Districts of Kenora, Rainy River and Thunder Bay)		OGS OFR 5332, Vol.1	p.28
Parsons, A. L.	1912	Goldfields of Lake of the Woods, Manitou and Dryden, Kenora District; in Ontario Bureau of Mines Annual Report for 1912		OBM AR Vol.21, Part 1	p.180,181-183
Parsons, A. L.	1913	The Lake of the Woods and Other Areas, Kenora District; in Ontario Bureau of Mines Annual Report for 1913		OBM AR Vol.22, Part 1	p.214-216,226
Riley, R. A., King, H. L., Kustrn, C. R.	1971	Mineral Exploration Targets in Northwestern Ontario		ODM MP 47	72 pages

CONFIDENTIAL

Author	Date	SELECTED REFERENCES		Reference	Map Scales and/or Report Pages
		Title			
		GEOLOGICAL REPORTS AND MAPS			
Slaght, A.	1893	Report of the Inspector of Mines; in Ontario Bureau of Mines Annual Report for 1892		OBM AR Vol. 2	p. 232
Thomson, J. E.	1937	Geology of the North Central Part of the Lake of the Woods; in Ontario Dept. of Mines Annual Report for 1936. Accompanied by map 45b "North Central Part of the Lake of the Woods, District of Kenora, Ontario"		ODM AR Vol. 45, Part 3	p. 1-43
Ziehlke, D. V.	1973	Aulneau Batholith Project, Geological Investigations -Progress Report; in Centre for Precambrian Studies, University of Manitoba, Annual Report		Centre for Precam- brian Studies, 1973 Annual Report	p. 60-73
Ziehlke, D. V.	1974	Aulneau Batholith Project, Geology and Petrology; in Centre for Precambrian Studies, University of Manitoba, Annual Report, Part 2-Research		Centre for Precam- brian Studies, 1974 Annual Report	p. 150-184
Ziehlke, D. V.	1975	Aulneau Batholith Project-Progress Report; in Centre for Precambrian Studies, University of Manitoba, Annual Report, Part 2-Research		Centre for Precam- brian Studies, 1975 Annual Report	p. 6-9
Ziehlke, D. V.	1980	Geology of the Aulneau Peninsula, Lake of the Woods, Ontario, map and notes		GSC Open File 655	1:50,000
Ziehlke, D. V.	1980	Structural Geology of the Aulneau Peninsula, Lake of the Woods, Ontario, map		GSC Open File 656	1:50,000
Ziehlke, D. V.	1980	Sample Location Map for the Aulneau Peninsula, Lake of the Woods, Ontario, map		GSC Open File 657	1:50,000

GDF FORM NO. 9

Author	Date	SELECTED REFERENCES		Reference	Map Scales and/or Report Pages
		Title			
Chute, M. E.	1977	THESES Geochemistry of the Aulneau Granitic Batholith, District of Kenora, Ontario, Canada. M.Sc. Thesis, University of Manitoba			95 pages
Brown, B. A.	1984	The Role of Granite Diapirism in the Deformational History of Archean Greenstones of the Central Lake of the Woods Area, Northwestern Ontario			176 pages

NOTES AND ADDENDA

AERIAL PHOTOGRAPH INDEX

(compiled from index maps only)

<u>Roll</u>	<u>Line</u>	<u>Photo Numbers</u>
<u>1982</u> , scale 1" to $\frac{1}{4}$ mile (OGS)		
19	4916	10 - 23
19	4917	91 - 104
19	4918	171 - 184
21	4919	34 - 46
24	4920	61 - 73
24	4921	133 - 146

1974, scale 1" to 1 mile (EMR)

A23704	165 - 169*
A23741	21 - 22*
A23700	105 - 110*

* Photographs on file in Resident Geologist's Office, Kenora

TOPOGRAPHIC MAPS

Ontario Base Map Series (scale 1:20,000)

20	15	3900	54700
20	15	3900	54800
20	15	3900	54700
20	15	3900	54800
20	15	3900	54700

National Topographic System (scale 1:50,000)

52 E/08 Sioux Narrows Sheet

NOTES AND ADDENDA

MINERAL DEPOSITS FILE

Note: A deposits file is maintained at the Kenora Resident Geologist's Office, which contains the published data on the following mineral deposits:

1. Yellowgirl Bay Occurrence
(Homestake Occurrence?¹)

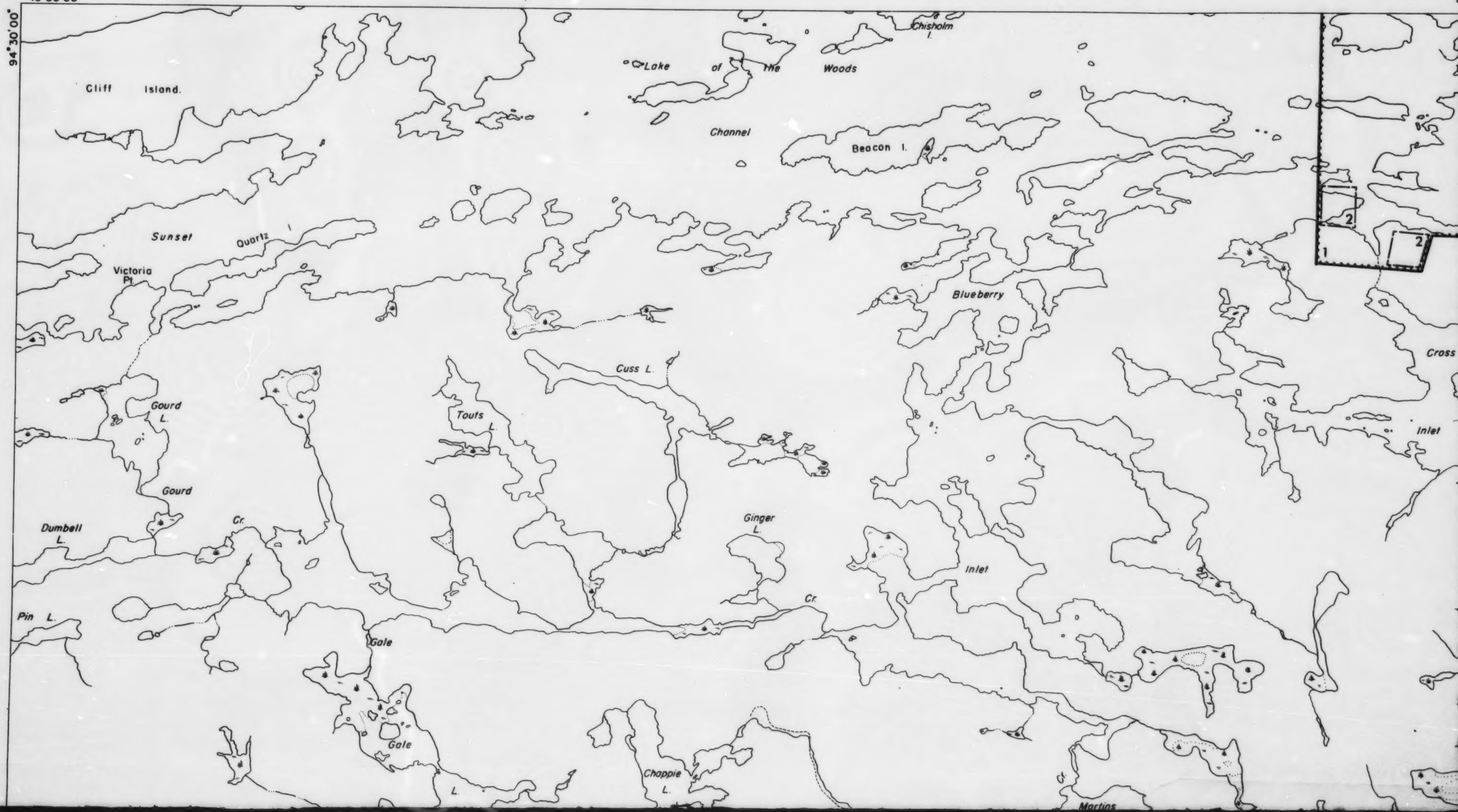
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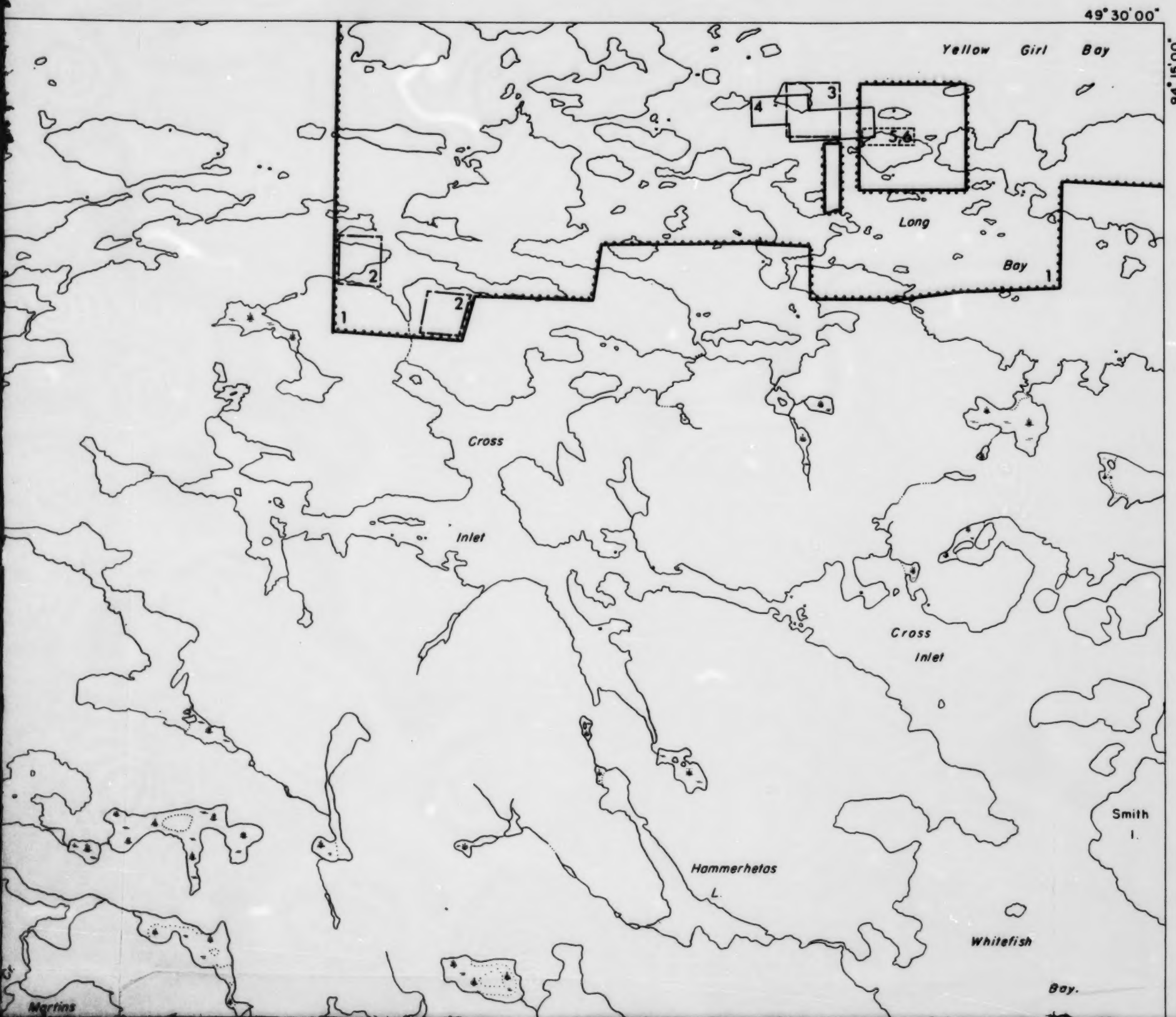
Note A

Upon examination of information sources (particularly OGS annual reports, published geology maps and old news clippings) it seems possible that the Homestake Occurrence and the Yellowgirl Occurrence may be one in the same.

¹See Notes and Addenda "Note A"

49°30'00"
94°30'00"





Ministry of
Northern Development
and Mines

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 448

(Map 1 of 2)

AULNEAU PENINSULA AREA

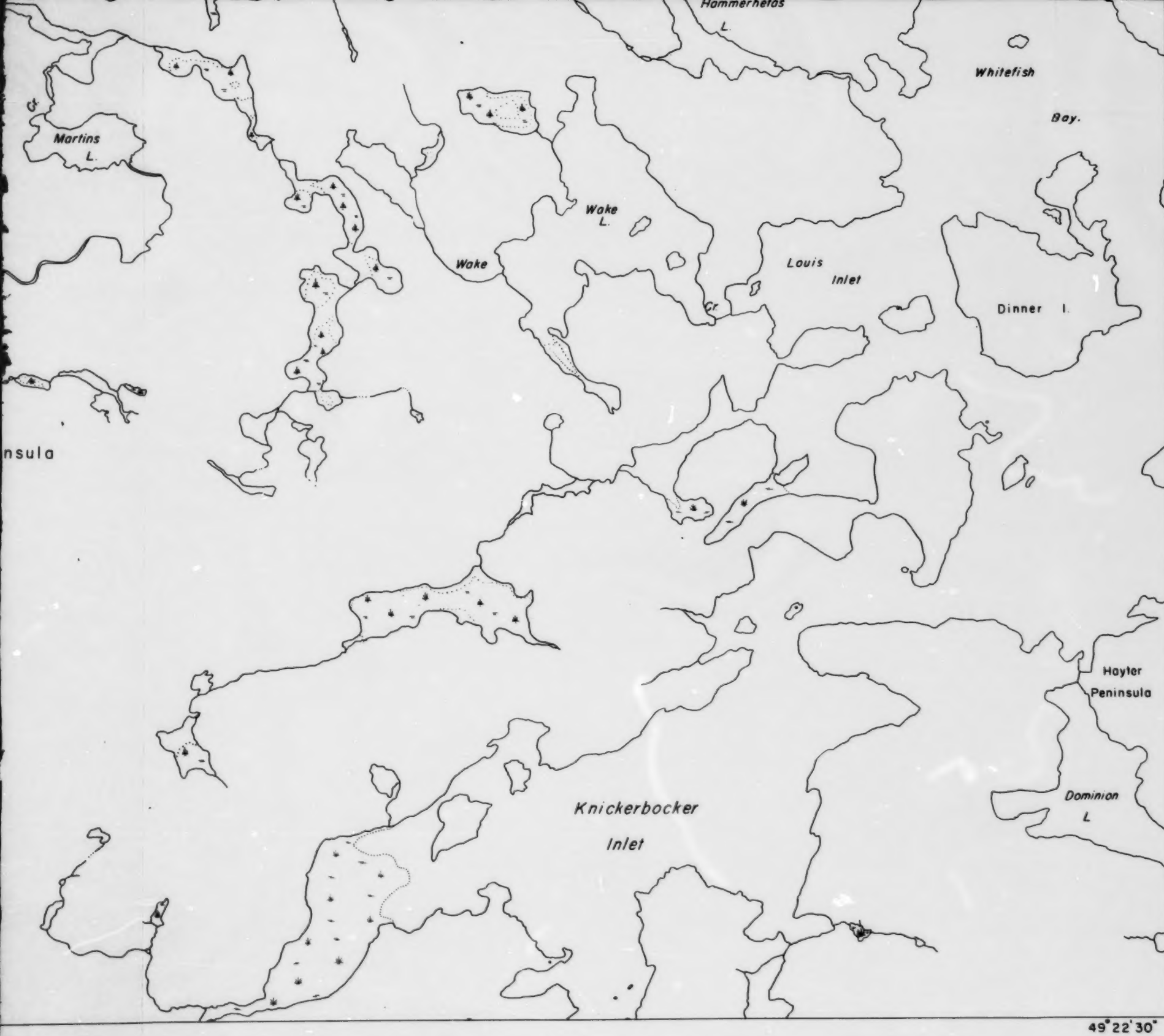
DISTRICT OF KENORA

Scale 1:31 680

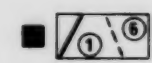
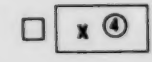
Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile





EXPLORATION DATA FILE AREAS

-  Reference number is always inside work area outlined.
See listing in text pages.
-  Small area of exploration
-  File covers whole township or area

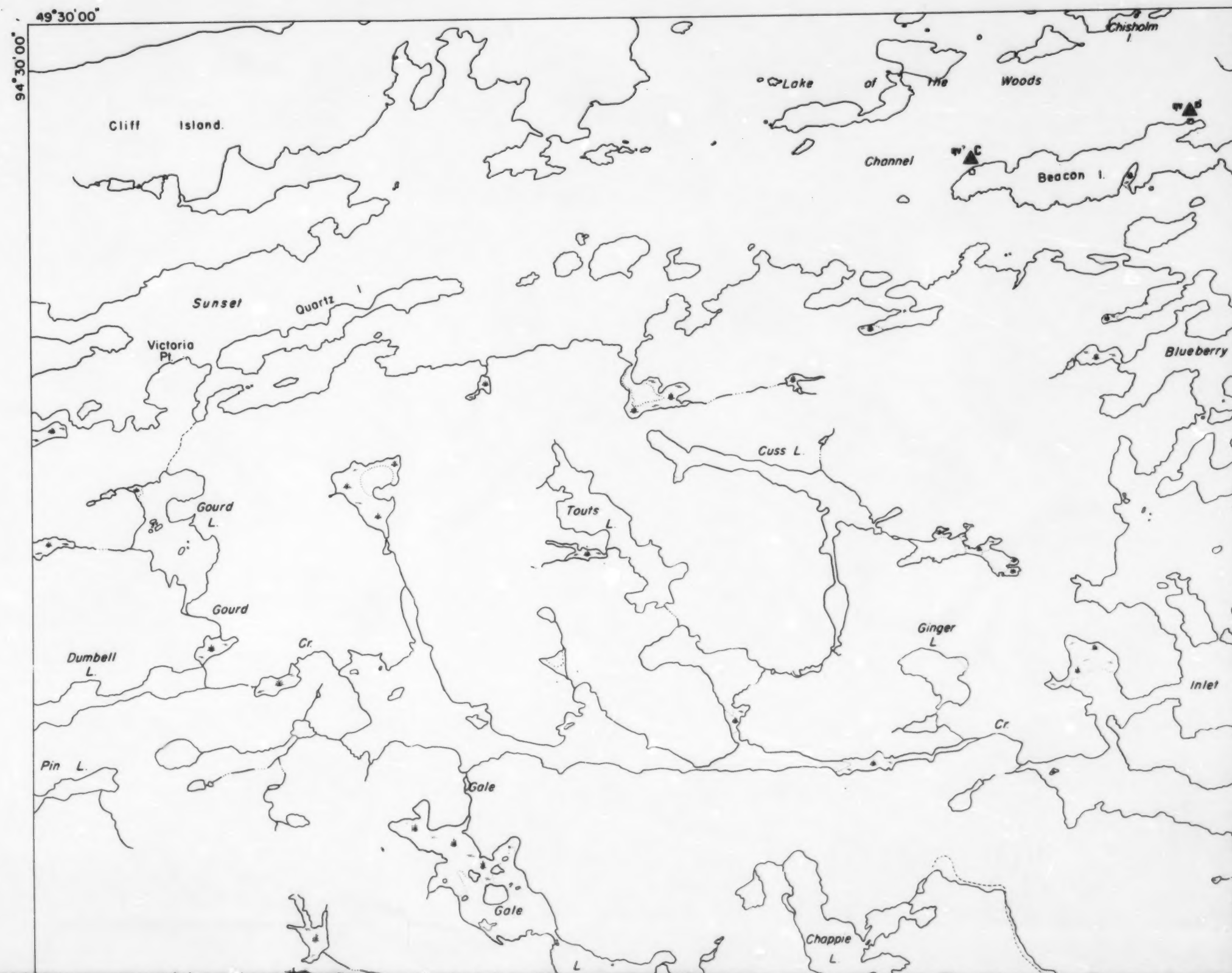
TYPES OF DATA SHOWN ON THIS MAP

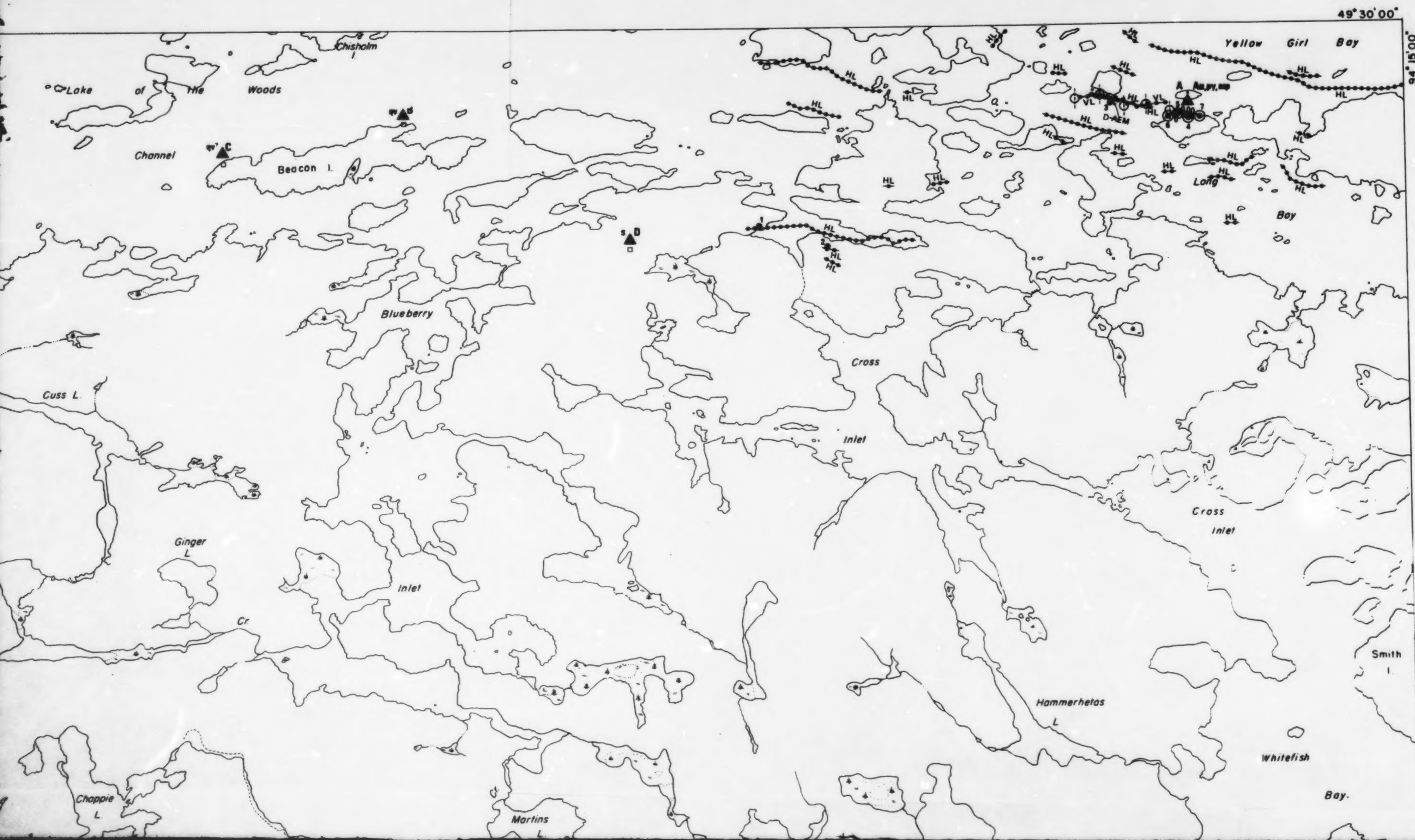
GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ☐  Geochemical sample site, with reference number
- ☐  Area of geochemical sampling, with reference number
- ☐  Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- ☐  Airborne magnetic anomaly
- ☐  Airborne electromagnetic anomaly
Length of anomaly along flight line
- ☐  Airborne electromagnetic anomaly
Location of anomaly along flight line (assumed)
- ☐  Airborne electromagnetic anomaly
Conductor axis: definite, probable, possible
- ☐  Airborne radiometric anomaly
- ☐  Ground magnetic anomaly
- ☐  Ground electromagnetic anomaly
(VL - Vertical loop; HL - Horizontal loop
D-AEM-Dip-Angle EM)
- ☐  Ground radiometric anomaly



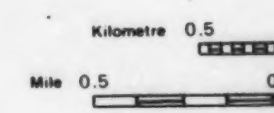


Ministry of Natural Resources
Ontario and the Sea

ONTARIO
EXPLORATION
GEOLOGICAL

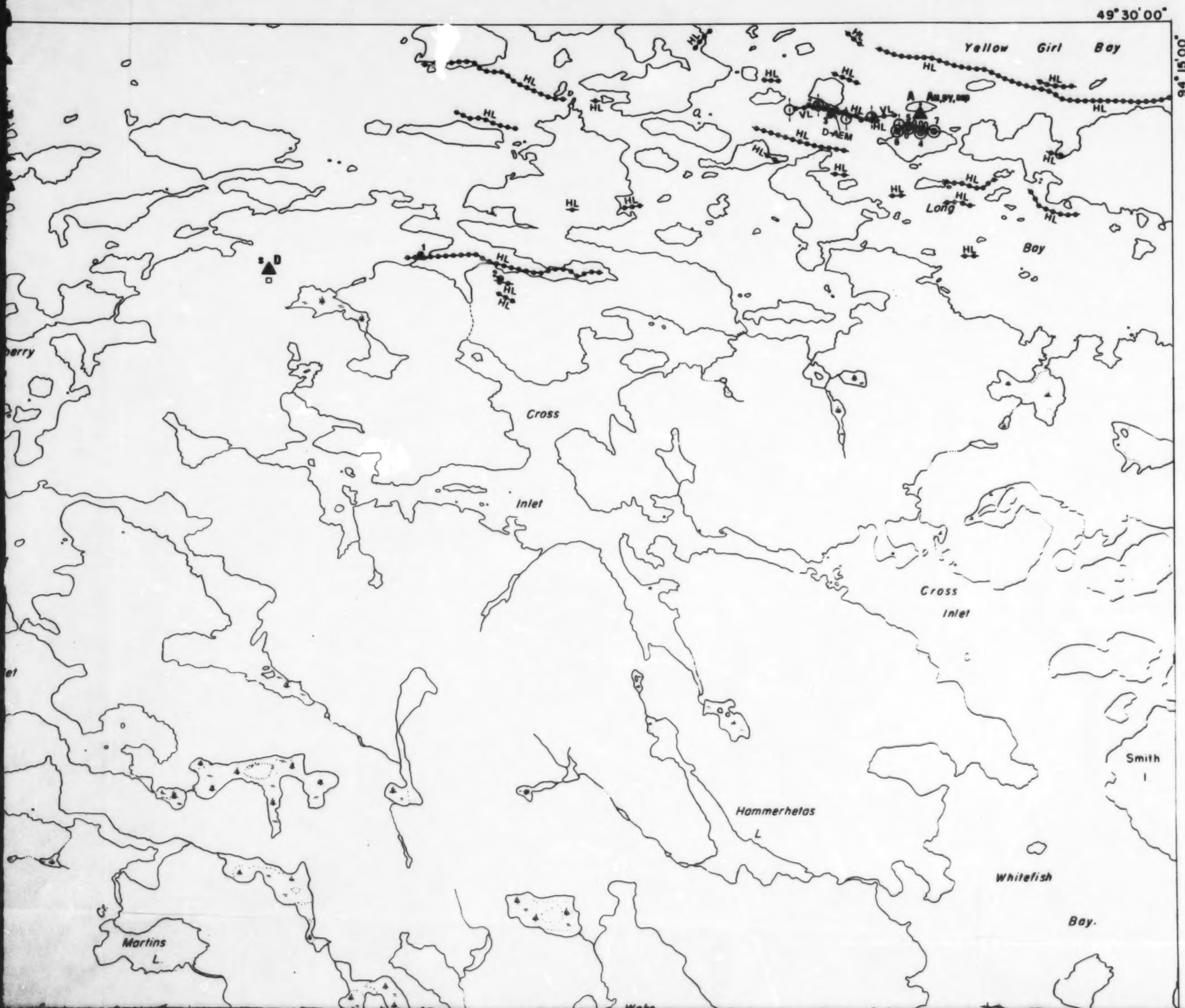
AULNEAU PENINSULA

DISTRICT



GEOGRAPHICAL

TYPES OF DATA SHOWN



Ministry of
Northern Development
and Mines

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

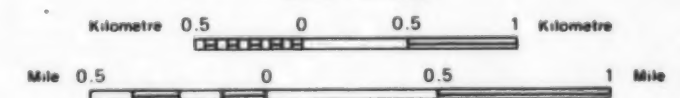
GEOLOGICAL DATA INVENTORY FOLIO 448

(Map 2 of 2)

AULNEAU PENINSULA AREA

DISTRICT OF KENORA

Scale 1:31 680



GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP



MINERAL OCCURRENCES

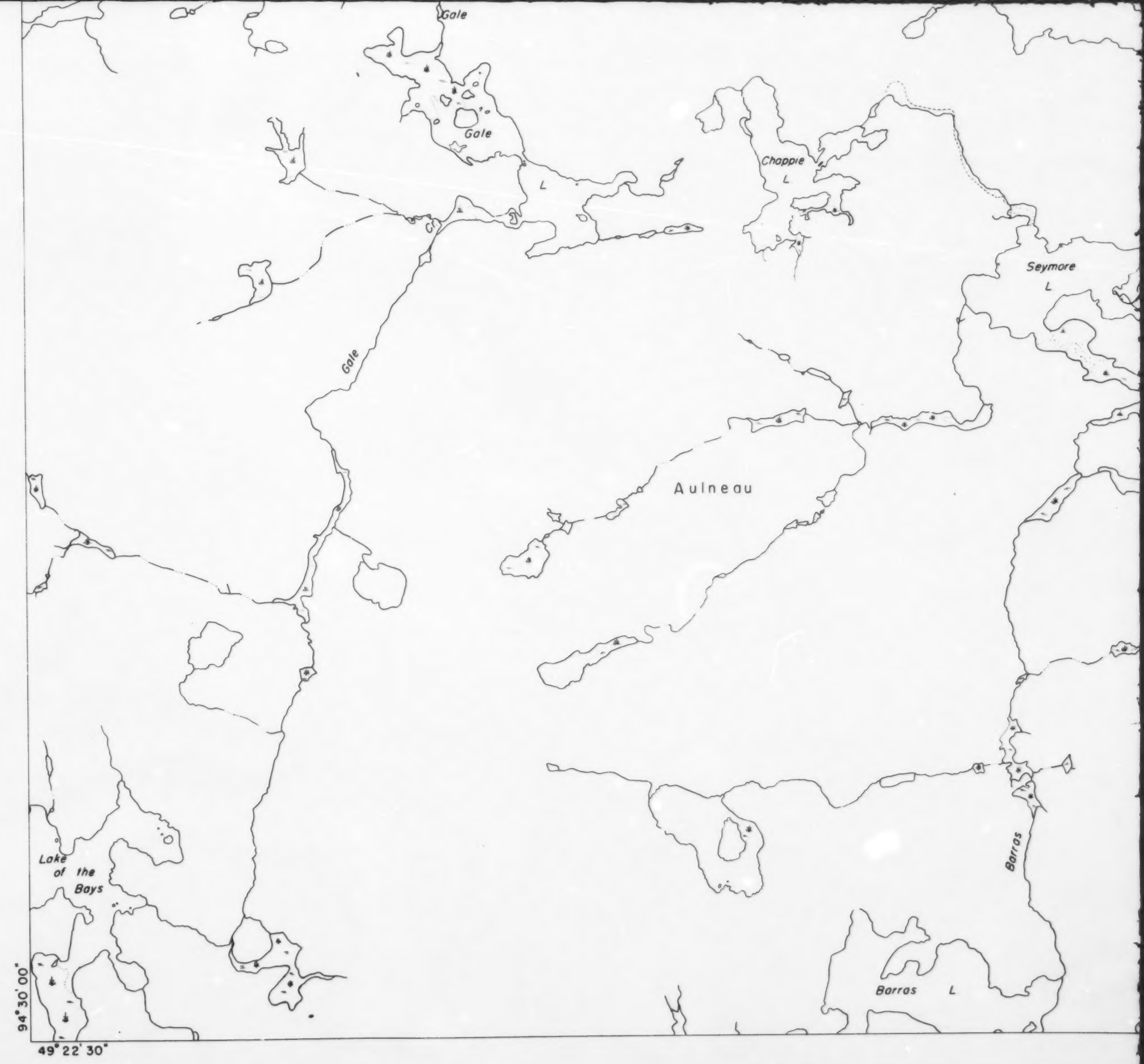
- ☐  Conductor axis: definite, probable, possible
- ☐  Airborne radiometric anomaly
- ☐  Ground magnetic anomaly
- ☐  Ground electromagnetic anomaly
(VL - Vertical loop; HL - Horizontal loop
D-AEM-Dip-Angle EM)

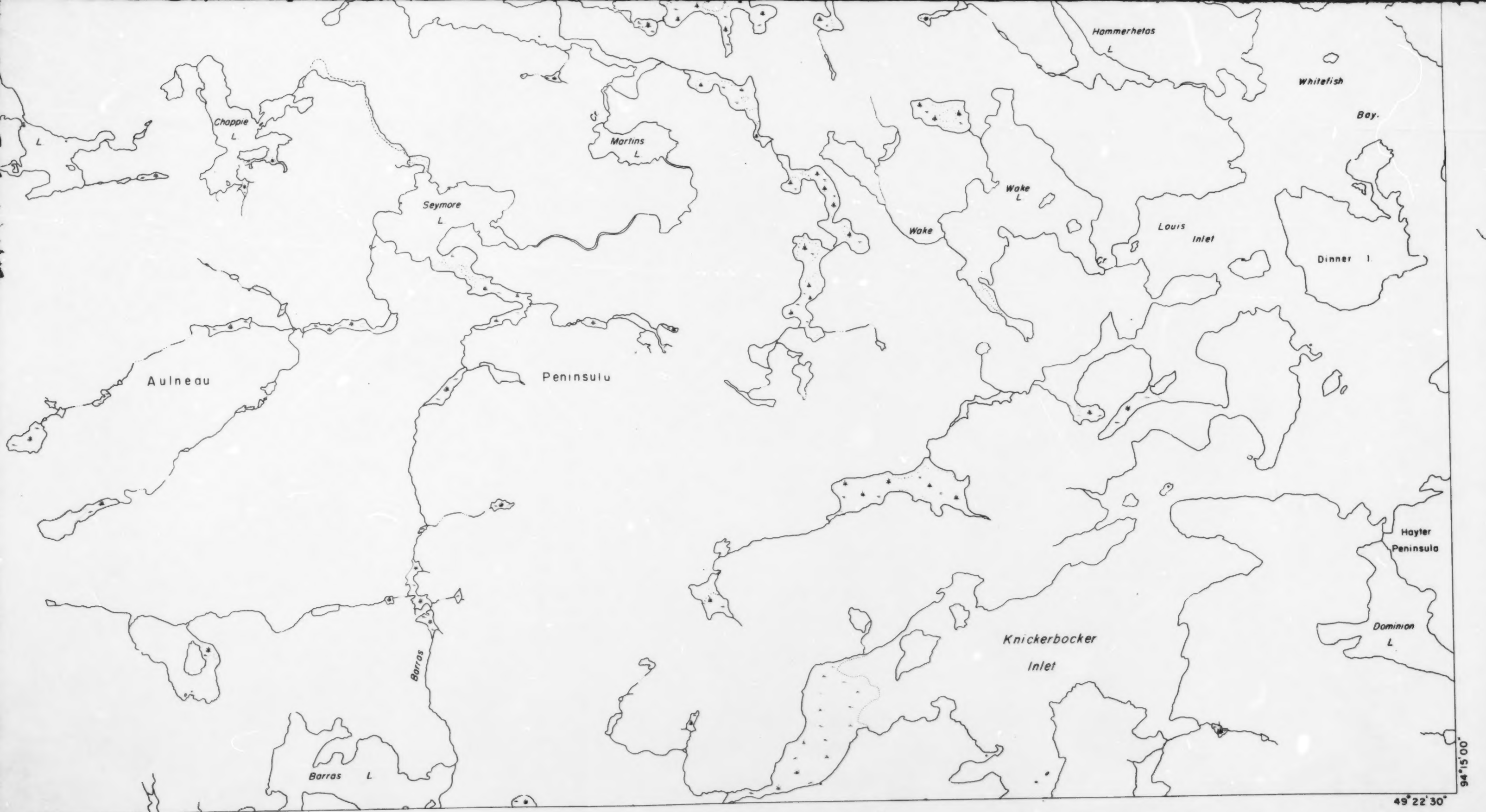
- ☐  Ground radiometric anomaly
- ☐  Induced polarization anomaly
- ☐  Self potential anomaly
- ☐  Audio-frequency magnetic anomaly
(total intensity)
- ☐  Resistivity anomaly
- ☐  Gravity anomaly

MISCELLANEOUS DATA

- ☐  Trenching, pit
- ☐  Adit
- ☐  Open pit
- ☐  Rock quarry
- ☐  Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



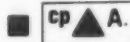
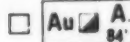
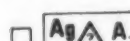
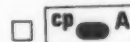




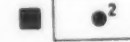
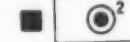
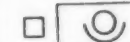
GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

-  Mineral occurrence at surface, with reference letter
-  Mineral occurrence with shaft, depth given with reference letter
-  Mineral occurrence reported but exact location uncertain, with reference letter
-  Mineralized float with reference letter
-  Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

-  Location of single drillhole, with reference number
-  Location of closely spaced group of drillholes, with reference number
-  Drillhole, exact location uncertain, with reference number
-  Property with underground drillholes in this general area, with reference number
-  Property with drillholes which have not been plotted on map, with reference number
-  Reverse circulation drillhole; churn drilling, with reference number